

Amendments to the Claims:

This listing replaces all prior such listings in this case.

Listing of Claims

1. (Previously presented) A fluid dynamic bearing motor comprising:
a base defining a bore;
a stationary liner in the bore, the stationary liner having a longitudinal wall and
further having a bottom that is contiguous with the wall extending radially
inward from the wall, the bottom defining a passage through the stationary
liner;
a rotor assembly having a shaft that is rotatably supported within the liner;
a fluid dynamic bearing disposed between the shaft and the longitudinal wall;
a capillary seal between the shaft and the liner having a close mating relationship
end in fluid communication with the fluid dynamic bearing and an opposing
diverging mating relationship end defining an inlet reservoir; and
a channel outside the liner, extending along the bottom and the longitudinal wall,
that operably fluidly communicates recirculating fluid from the fluid
dynamic bearing via the passage to the inlet reservoir.
2. (Canceled)
3. (Canceled)
4. (Canceled)

5. (Canceled)

6. (Previously presented) The fluid dynamic bearing motor of claim 1, wherein the fluid dynamic bearing comprises a journal bearing operably supporting the shaft in rotation against the longitudinal wall and a thrust bearing operably supporting the shaft in rotation against the bottom.

7. (Previously presented) The fluid dynamic bearing motor of claim 6, wherein the shaft comprises a patterned feature that pumps fluid in the fluid dynamic bearing toward the passage.

8. (Previously presented) The fluid dynamic bearing motor of claim 7, wherein the patterned feature includes at least two grooved bearing surfaces.

9. (Previously presented) The fluid dynamic bearing motor of claim 1, wherein the base is at least one of forged, molded, or casted.

10. (Previously presented) The fluid dynamic bearing motor of claim 1, wherein the base is at least one of machined, forged, molded, or casted.

11. (Original) The fluid dynamic bearing motor of claim 1, wherein the rotor assembly includes a cold-worked hub.

12. (Original) The fluid dynamic bearing motor of claim 11, wherein the cold-worked hub is at least one of drawn, hydroformed, spun, molded, casted, forged, or stamped.

13. (Original) The fluid dynamic bearing motor of claim 11, wherein the cold-worked hub further includes: a flange; and a stepped cylindrical sidewall extending from the flange and circumscribing at least a portion of the base.

14. (Previously presented) The fluid dynamic bearing motor of claim 11, further comprising a magnet attached to the cold-worked hub and a stator coupled to the base, the magnet and the stator being configured to generate a preloading force on the cold-worked hub.

15-20. (Canceled)

21. (Previously presented) The fluid dynamic bearing motor of claim 1, wherein the liner defines an open end and the recirculation channel fluidly connects the fluid dynamic bearing via the passage with the open end.

22. (Canceled)

23. (Canceled)

24. (Canceled)

25. (Canceled)

26. (Previously presented) The fluid dynamic bearing motor of claim 1 wherein the channel guides the recirculating fluid around a distal end of the longitudinal wall to enter the inlet reservoir.

27. (Canceled)

28. (New) A fluid dynamic bearing motor comprising:

- a base having a closed end and an upstanding section extending from the closed end, the upstanding section and closed end defining a bore in the base;
- a stationary liner in the bore having a longitudinal wall and further having a bottom that is contiguous with the longitudinal wall extending radially inward from the longitudinal wall, the bottom defining a passage through the stationary liner, the liner positioned in contact with the closed end of the base and the upstanding section of the base;
- a rotor assembly having a shaft that is rotatably supported within the liner;
- a fluid dynamic bearing disposed between the shaft and the longitudinal wall;
- a capillary seal between the shaft and the liner having a close mating relationship end in fluid communication with the fluid dynamic bearing and an opposing diverging mating relationship end defining an inlet reservoir; and
- a channel outside the liner being recessed into the closed end and upstanding section of the base and in fluid contact with an outer surface of the liner, the channel operably fluidly communicating recirculating fluid from the fluid dynamic bearing via the passage to the inlet reservoir.